

Amendments to the Specification

Please replace paragraph 0032 with the following amended paragraph:

0032 As previously stated, the natural frequencies of the vehicle and its mechanical systems may be acquired using a variety of methods, including mathematical modeling and testing. This natural frequency data may be stored in an off-board memory 82 and loaded into one of the on-board memories 88 using a data input device 84 connected to the ABS 72. One of the memories 88 contains a learning program which relates past responses of the ABS 72 to each of the natural frequencies that have been loaded from memory 82. Longer response times or stopping distances suggest that the ABS 72 is pulsing the brakes 78 at a natural frequency that impairs normal ABS operation. This learning regime is necessary because ABS pulsing at certain of the stored natural vehicle frequencies may not appreciably impair ABS operation. Upon completion of the learning phase, the modified data set stored in the 88 comprises all of those vehicle natural frequencies at which ABS pulsing should be avoided.